

Abstract

Embodiments of a two-dimensional pyramid filter architecture are described.

FIG. 1 is a block diagram of a two-dimensional pyramid filter architecture. The architecture includes a series of stages, each containing a set of parallel processing elements. The first stage is connected to an input, and the final stage is connected to an output. The processing elements are arranged in a pyramid-like structure, with the number of elements decreasing from the input stage to the output stage. The diagram shows a sequence of stages, each with a set of parallel processing elements, connected in a cascaded manner. The first stage has a large number of parallel elements, and each subsequent stage has a smaller number of parallel elements, creating a pyramid shape. The input is fed into the first stage, and the output of the final stage is the result of the filtering process.